

PRODUCTION OF LOW ALPHA-OLEFIN POLYMER

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Abstract of JP8151409

PURPOSE: To provide a process for producing a low α -olefin polymer, whereby a low-polymer of an α -olefin such as 1-hexene can be produced industrially advantageously in high yields and high selectivity without using any troublesome operation, and the long-term deterioration of the catalyst can be improved. **CONSTITUTION:** The polymerization of an α -olefin to form its low polymer is conducted by using a chromium catalyst comprising a combination essentially consisting of a chromium compound, an amine or a metal amide, an alkylaluminum compound and a cyclic halohydrocarbon and bringing the α -olefin and the chromium catalyst into contact with each other in a solvent in a manner that the chromium compound is prevented from previously contacting the alkylaluminum compound.

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